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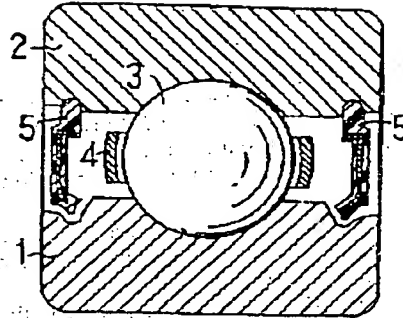
APPLICATION DATE : 26-10-90  
APPLICATION NUMBER : 02290131

APPLICANT : NTN CORP;

INVENTOR : AZUMA MASATAKA;

INT.CL. : H02K 5/173 C23D 5/00 F16C 33/32

TITLE : ROLLING BEARING FOR SCANNER  
MOTOR OF LASER BEAM PRINTER



ABSTRACT : PURPOSE: To increase the life of a rolling bearing for a scanner motor by making the roller of a bearing out of ceramic material.

CONSTITUTION: The bearing is composed of an inner ring 1, an outer ring 2, rollers 3 between the inner and the outer rings, a holder 4, which holds the rollers 3 at regular intervals in circumferential direction, and noncontact seals 5, which are installed at both ends. And the roller 3 is made of ceramic material. For said bearing, the roller 3 is made of ceramic material, so roughening is hard to occur at the surface of the rolling faces of the inner and outer rings 1 and 2 and the surface of the roller. What is more, it will do to make the layer consisting of ceramic material at the surface of the steel roller, in place of making the roller 3 of ceramic material.

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